

Title (en)

HIGH FILTERING EFFICIENCY, LOW ENERGY CONSUMPTION, AND LOW NOISE FAN FILTER UNIT

Title (de)

FILTER FÜR VENTILATOR MIT HOHER FILTERLEISTUNG, GERINGEM ENERGIEVERBRAUCH UND GERINGER GRÄUSCHAUSSENDUNG

Title (fr)

UNITE DE FILTRE POUR VENTILATEUR A HAUT RENDEMENT DE FILTRAGE, FAIBLE CONSOMMATION D'ENERGIE ET FAIBLE BRUIT

Publication

EP 1113858 B1 20040331 (EN)

Application

EP 99946626 A 19990824

Priority

- US 9919352 W 19990824
- US 9769598 P 19980824
- US 13009199 P 19990420
- US 34744299 A 19990702

Abstract (en)

[origin: WO0010686A1] A fan filter unit (10) for clean rooms has baffle structures (48, 52) sized and placed to limit the paths of entry of air flow from the unit motorized fan (24) to the outlet ports (34, 36), the baffle structures (48, 52) extending for a vertical height sufficient to avoid reversal of air flow within the enclosure for lower energy requirements in the unit while controlling noise levels and keeping BTU output low.

IPC 1-7

B01D 46/00; **F24F 3/16**; **F24F 13/24**; **B01D 46/42**

IPC 8 full level

B01D 46/10 (2006.01); **F04D 29/70** (2006.01); **F24F 3/16** (2006.01); **F24F 1/00** (2011.01)

CPC (source: EP)

B01D 46/10 (2013.01); **F04D 29/703** (2013.01); **F24F 1/0071** (2019.01); **F24F 3/167** (2021.01); **F24F 13/24** (2013.01)

Cited by

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 0010686 A1 20000302; AU 5899899 A 20000314; CA 2328226 A1 20000302; CA 2328226 C 20040406; DE 69916087 D1 20040506; DE 69916087 T2 20041230; EP 1113858 A1 20010711; EP 1113858 A4 20011114; EP 1113858 B1 20040331; ES 2217810 T3 20041101

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